

## CLAIMS:

1. A dual mode tuning arrangement for tuning to VHF television signals and to FM radio signals, said arrangement having a local oscillator circuit comprising a first series arrangement of first and second inductances ( $L_1$ ,  $L_2$ ), a second series arrangement of a variable capacitance diode ( $C_v$ ) and a first padding capacitor ( $C_{p1}$ ), said first and second series arrangements being interconnected at first and second junctions ( $J_1$ ,  $J_2$ ) to constitute a parallel arrangement, an active oscillator element (S) being connected between the first junction ( $J_1$ ) of said parallel arrangement and ground, a third series arrangement of a mode switching diode ( $C_{sw}$ ) and a second padding capacitor ( $C_{p2}$ ) connected in parallel with one of said first and second inductances, means ( $R_3$ ) for supplying a tuning voltage ( $V_t$ ) to the junction of the variable capacitance diode ( $C_v$ ) and the first padding capacitor ( $C_{p1}$ ) and means ( $R_2$ ) for supplying a mode switching voltage ( $V_s$ ) to the junction of the mode switching diode ( $C_{sw}$ ) and the second padding capacitor ( $C_{p2}$ ), characterized by a damping resistor ( $R_{1a}$ ) for suppressing parasitic oscillations connected between the second junction ( $J_2$ ) of said parallel arrangement and ground.